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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,305	10/05/2006	Michiaki Fuji	2158100360US1	9563
30678	7590	04/17/2007	EXAMINER	
CONNOLLY BOVE LODGE & HUTZ LLP			LISTVOYB, GREGORY	
P.O. BOX 2207			ART UNIT	PAPER NUMBER
WILMINGTON, DE 19899-2207			1711	
SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE		DELIVERY MODE	
3 MONTHS	04/17/2007		PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)
	10/573,305	FUJI, MICHIAKI
	Examiner Gregory Listvooy	Art Unit 1711

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-20 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-20 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 6/16/2006
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

Claims 1-5, 10-14 rejected under 35 U.S.C. 103(a) as being unpatentable over Hanazawa et al (US patent 6066711) herein Hanazawa in combination with Mitsuhsita et al (JP publication 08-041303) herein Mitsuhsisa.

Hanazawa discloses an optical polyester polymer, based on 9,9-bis[4-(2-hydroxyethoxy)phenyl]fluorene (preferred, Column 7, line 45) and alicyclic compound, selected from the following:

cyclohexanedicarboxylic acid, decalindicarboxylic acid, norbornanedicarboxylic acid, adamantanedicarboxylic acid and tricyclodecendicarboxylic acid (Column 4, line 30).

Hanazawa does not disclose a second component of the composition, such as aromatic polycarbonate.

Mitsuhsisa teaches a resin composition for optical lenses, comprising polyester, based on 9,9-bis[4-(2-hydroxyethoxy)phenyl]fluorene (line 0015) and aromatic polyester with blending ratio from 5:95 to 90:10 (line 0013). Mitsuhsisa discloses that the above blend possesses all the advantages of polyesters and polycarbonate, such as good

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transparency, moisture resistance, mechanical properties, low birefringence and lower cost (compare to a sole polyester). (line 007).

Therefore, it would be obvious to a person with ordinary skills in the art to use polyester/polycarbonate blend instead of sole polyester to obtain an excellent optical composition at relatively low cost.

Claims 1-20 rejected under 35 U.S.C. 103(a) as being unpatentable over Mitsuhisa in combination with Hanazawa as evidences by Mitsuaki et al (JP publication 11-060706) herein Mitsuaki.

Mitsuhita teaches a resin composition for optical lenses, comprising polyester, based on 9,9-bis[4-(2-hydroxyethoxy)phenyl]fluorene (line 0015) and aromatic polyester with blending ratio from 5:95 to 90:10 (line 0013). Mitsuhita discloses that the above blend possesses all the advantages of polyesters and polycarbonate, such as good transparency, moisture resistance, mechanical properties, low birefringence and lower cost (compare to a sole polyester). (line 007):

Regarding Claims 6-10 and 15-20 Mitsuhisa discloses melt kneading processing of the composition (line 0020) with addition of trimethyl phosphate as a heat stabilizer (line 0035).

Mitsuhisa's polyester does not contain alicyclic dicarboxylic acid (instead he uses terephthalic acid).

Hanazawa discloses an optical polyester polymer, based on 9,9-bis[4-(2-hydroxyethoxy)phenyl]fluorene (preferred, Column 7, line 45) and alicyclic dicarboxylic acid.

Mitsuaki teaches an optical polyester polymer, based on 9,9-bis[4-(2-hydroxyethoxy)phenyl]fluorene (preferred, Column 7, line 45) and alicyclic diacid (Abstract). He discloses that compare to alicyclic acid, terephthalic one in the polyester composition leads to high birefringence.

Therefore, it would be obvious to a person with ordinary skills in the art to use polyester based on alicyclic dicarboxylic in polyester/polycarbonate blend to obtain better birefringence values.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory Listvoyb whose telephone number is (571) 272-6105. The examiner can normally be reached on 9am-6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (571) 272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Gregory Listvoyb
Examiner
Art Unit 1711



James J. Seidleck
Supervisory Patent Examiner
Technology Center 1700